

Notice of Non-Compliant Amendment (37 CFR 1.121)

Application No.

10/030446

Applicant(s)

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Examiner

Art Unit

APR 25 2006

— The MAILING DATE of this communication appears on the cover sheet with the correspondence address —

The amendment document filed on 4/11/06 is considered non-compliant because it has failed to meet the requirements of 37 CFR 1.121 or 1.4. In order for the amendment document to be compliant, correction of the following item(s) is required.

THE FOLLOWING MARKED (X) ITEM(S) CAUSE THE AMENDMENT DOCUMENT TO BE NON-COMPLIANT:

- ☐ 1. Amendments to the specification:
 - ☐ A. Amended paragraph(s) do not include markings.
 - ☐ B. New paragraph(s) should not be underlined.
 - ☐ C. Other _____
- ☐ 2. Abstract:
 - ☐ A. Not presented on a separate sheet. 37 CFR 1.72.
 - ☐ B. Other _____
- ☐ 3. Amendments to the drawings:
 - ☐ A. The drawings are not properly identified in the top margin as "Replacement Sheet," "New Sheet," or "Annotated Sheet" as required by 37 CFR 1.121(d).
 - ☐ B. The practice of submitting proposed drawing correction has been eliminated. Replacement drawings showing amended figures, without markings, in compliance with 37 CFR 1.84 are required.
 - ☐ C. Other _____
- ☐ 4. Amendments to the claims:
 - ☐ A. A complete listing of all of the claims is not present.
 - ☐ B. The listing of claims does not include the text of all pending claims (including withdrawn claims)
 - ☐ C. Each claim has not been provided with the proper status identifier, and as such, the individual status of each claim cannot be identified. Note: the status of every claim must be indicated after its claim number by using one of the following status identifiers: (Original), (Currently amended), (Canceled), (Previously presented), (New), (Not entered), (Withdrawn) and (Withdrawn-currently amended).
 - ☐ D. The claims of this amendment paper have not been presented in ascending numerical order.
 - ☐ E. Other: _____
- ☒ 5. The amendment is unsigned or not signed in accordance with 37 CFR 1.4.

For further explanation of the amendment format required by 37 CFR 1.121, see MPEP § 714 and the USPTO website at <http://www.uspto.gov/web/offices/pac/dapp/opla/preognotice/officeflyer.pdf>.

TIME PERIODS FOR FILING A REPLY TO THIS NOTICE:

- Applicant is given **no new time period** if the non-compliant amendment is an after-final amendment or an amendment filed after allowance. If applicant wishes to resubmit the non-compliant after-final amendment with corrections, the **entire corrected amendment** must be resubmitted within the time period set forth in the final Office action.
- Applicant is given **one month**, or thirty (30) days, whichever is longer, from the mail date of this notice to supply the **corrected section** of the non-compliant amendment in compliance with 37 CFR 1.121 or 1.4, if the non-compliant amendment is one of the following: a preliminary amendment, a non-final amendment (including a submission for a request for continued examination (RCE) under 37 CFR 1.114), a supplemental amendment filed within a suspension period under 37 CFR 1.103(a) or (c), and an amendment filed in response to a *Quayle* action.

Extensions of time are available under 37 CFR 1.136(a) only if the non-compliant amendment is a non-final amendment or an amendment filed in response to a *Quayle* action.

Failure to timely respond to this notice will result in:

Abandonment of the application if the non-compliant amendment is a non-final amendment or an amendment filed in response to a *Quayle* action; or
Non-entry of the amendment if the non-compliant amendment is a preliminary amendment or supplemental amendment.

Veronica Hugburn
 Legal Instruments Examiner (LIE)

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Veronica Hugburn

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I, Wayne E. Nacker Wayne E. Nacker certify that I have deposited this paper by facsimile (571 273 8300) with the USPTO on 25 April 2006.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)	Docket No. 0005-GL-US
)	
Andrew T. Hunt et al.)	
)	Art Unit: 1762
Serial No. 10/030,446 Conf. 5908)	
)	Examiner: William P. Fletcher III
Filed: 2 January 2002)	
)	
For: METHODS OF COATING CERAMICS)	
USING CCVD)	

Amendment in Response to Office Action of 21 March 2006

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

(Re-Signed)

Sir:

The Claims, attached hereto, are amended in response to the Examiner's Office Action of 21 March 2006. The limitations of previously submitted and now-cancelled Claim 61 have been inserted in currently amended Claim 48. This limitation recites that between application of the first and second heat sources, a temperature reduction of 10% to 90% of the initial temperature elevation from the first heat source is given sufficient time to occur. It is believed that Claim 48 is not obvious from Hunt et al. (EP 0 976 847 A2 (US 6,368,655)) (Hereinafter, "Hunt '655").

In rejecting Claim 61, the Examiner concedes that this limitation is not taught in Hunt '655. This limitation is not obvious from Hunt '655. The Examiner formulates his rejection on the teaching in Hunt '655 of multiple coating heads, and suggesting that there would be "inherent thermal recovery" between application of heat from a first coating head and a second coating head. This teaching is found only in Col. 7, lines 44-55 and reads:

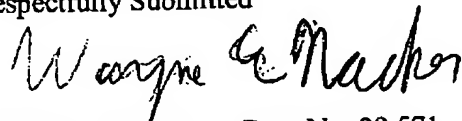
Large substrates can be coated either by having the coating head traverse the substrate repeatedly in a raster or similar predetermined pattern, or by traversing the substrate with an array of coating heads arranged to cumulatively provide a uniform coating, or by rastering an array of coating heads. In addition to permitting the thin film coating of articles which previously were too large to be coated, this technique permits the coating of larger units of those substrates which previously were coated under vacuum conditions. Manufacturing economies can be achieved by coating larger units of these substrates, especially when mass production of the substrates is involved.

This passage relates only to coating efficiency speed, providing enough coating sources to efficiently coat a large substrate. While there might be some inherent thermal

recovery, for example, between when a first of a rastering coating head contacts an area and a second rastering coating head contacts the same area, thermal recovery is not the goal. As coating efficiency is not the goal, and as there is nothing in this passage pertaining to coating heat-sensitive substrates, e.g., glass or polymer, there is nothing to teach or suggest that thermal recover would be up to 10% of initial thermal heating as now recited in Claim 48. 10% cooling between heating with two coating heads is by no means insignificant. If one coating head heated the substrate 200°C, the time between heating by the two coating heads would have to be long enough to allow cooling by 20°C to meet the limitations of currently presented Claim 48. This amount of time would be inconsistent with the desire for efficient coating in Hunt '655.

As Hunt '655 does not address the problem of heat-sensitive substrates that is addressed in the present application, and as the purpose of multiple coating heads in '655 for efficient coating rates goes against the need for sufficient, e.g., 10% to 90%, thermal recovery recited in Claim 48, it is submitted that Claim 48, and the claims depending therefrom are patentable over Hunt '655.

Respectfully Submitted



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25 April 2006

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